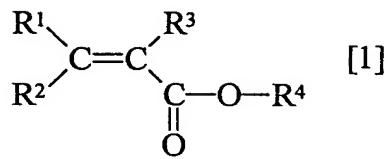


CLAIMS

1. A compound represented by a formula [1] :

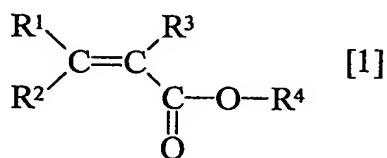


wherein R¹ and R² respectively represent a light or heavy hydrogen atom, R³ represents a light or heavy hydrogen atom or a methyl group in which three hydrogen atoms are respectively light or heavy hydrogen atoms, and R⁴ is a norbornyl group provided that four or more hydrogen atoms in the norbornyl group are heavy hydrogen atoms.

2. The compound of claim 1, wherein five or more hydrogen atoms in the norbornyl group represented by R⁴ are heavy hydrogen atoms.

3. The compound of claim 1, wherein six or more hydrogen atoms in the norbornyl group represented by R⁴ are heavy hydrogen atoms.

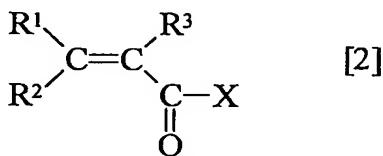
4. A process for producing a compound represented by a formula [1]:



wherein R^1 and R^2 respectively represent a light or heavy

hydrogen atom, R³ represents a light or heavy hydrogen atom or a methyl group in which tree hydrogen atoms are respectively light or heavy hydrogen atoms, and R⁴ is a norbornyl group provided that four or more hydrogen atoms in the norbornyl group are heavy hydrogen atoms,

comprising reacting a norborneol containing four or more heavy hydrogen atoms in its norbornyl group with a compound represented by a formula [2] :



wherein R¹ and R² respectively represent a light or heavy hydrogen atom, R³ represents a light or heavy hydrogen atom or a methyl group in which tree hydrogen atoms are respectively light or heavy hydrogen atoms, and X represents a halogen atom, a hydroxyl group or an alkoxy group.

5. A polymer produced by polymerization of a composition comprising the compound any one of claims 1 to 3.

6. The polymer of claim 5, wherein 50 % or more hydrogen atoms are heavy hydrogen atoms.

7. An optical member comprising a region formed of a polymer of claim 5 or 6.

8. The optical member of claim 7, which gives an absorbance at 910 nm being 70 % or smaller percentage of that given by a

polymer having a same structure except that all hydrogen atoms are light hydrogen atoms.